

COLLECTIVE CANCER REGISTRY REPORT-DECEMBER 1994 TO DECEMBER 2023: SHAUKAT KHANUM MEMORIAL CANCER HOSPITAL and RESEARCH CENTRE, PAKISTAN

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**CANCER STATISTICS**

This report includes patients who were registered at Shaukat Khanum Memorial Trust (SKMT)-affiliated centres and filed into the Hospital Information System. These comprise the hospitals (the Shaukat Khanum Memorial Cancer Hospital and Research Centre (SKMCH&RC) and affiliated centres.

**Distribution of neoplasms**

In 29 years, from December 29, 1994, to December 31, 2023, a total of 137,005 neoplasms were registered at the SKMT facilities in Pakistan. Of those, 64,187 (46.9%) were seen in males and 72,818 (53.1%) in females. 13,357 tumors (9.7%) were diagnosed in children, compared to 123,648 tumors (90.3%) in adults. Patients who were 18 years of age or younger were classified as children, and those who were older than 18 years were classified as adults. The stratification of cases by age group and behavior is shown in Table 1.

**Table 1. Distribution of neoplasms by behavior and age group, SKMCH&RC, December 29, 1994, to December 31, 2023**

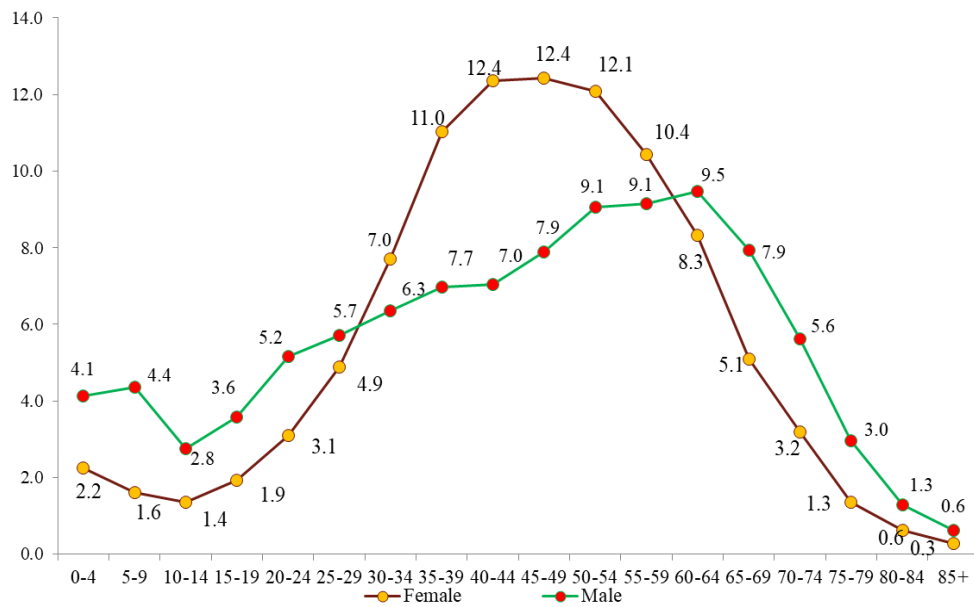
<b>Behavior</b>	<b>Age group</b>	<b>Registered patients (131,304)</b>	<b>Reported neoplasm* (137,005)</b>
<b>Malignant~</b>	<b>Adults</b>	<b>112,391</b>	<b>114,824</b>
	<b>Pediatrics</b>	<b>12,865</b>	<b>12,948</b>
	<b>Total</b>	<b>125,256</b>	<b>127,772</b>
Benign^ and uncertain behavior	Adults	8,033	8,824
	Pediatrics	384	409
	Total	8,417	9,233

\*The difference in the number of registered patients and reported neoplasms is attributed to multiple malignancies and benign neoplasms diagnosed in 2,516 and 816 patients, respectively. Further, 2,369 patients have both malignant and benign neoplasms simultaneously.

~Cases with behavior codes /3 and /2 are considered malignant cases.

^Cases with behavior codes /0 and /1 are considered benign and uncertain, respectively.

**Figure 1. Proportional distribution |(percentage) of malignancies by sex and age group (N=127,772), SKMCH&RC, December 29, 1994, to December 31, 2023**



Data Source: Cancer Registry & Clinical Data Management, SKMCH&RC

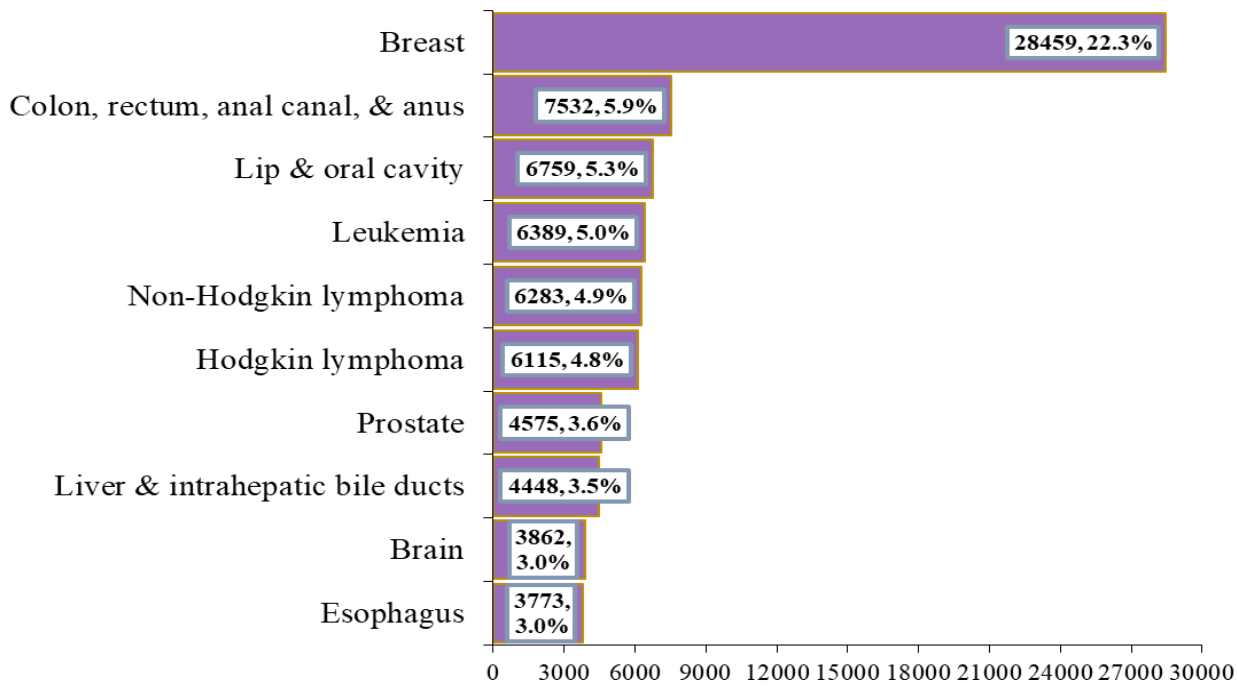
## Demographics

**Table 2. Distribution of malignancies (N=127,772) according to the geographic area of residence of the patients, SKMCH&RC, December 29, 1994, to December 31, 2023**

Demographic area	Malignancies (N=127,772)	Percent (%)
Punjab	84,421	66.1
Khyber Pakhtunkhwa (includes FATA*)	26,586	20.8
Sindh	4,037	3.2
Balochistan	1,853	1.5
Federal Capital	1,422	1.1
Gilgit-Baltistan	247	0.2
Azad Jammu and Kashmir	1,230	1.0
Afghanistan	7,764	6.0
Other countries	51	0.04
Not Defined	161	0.1

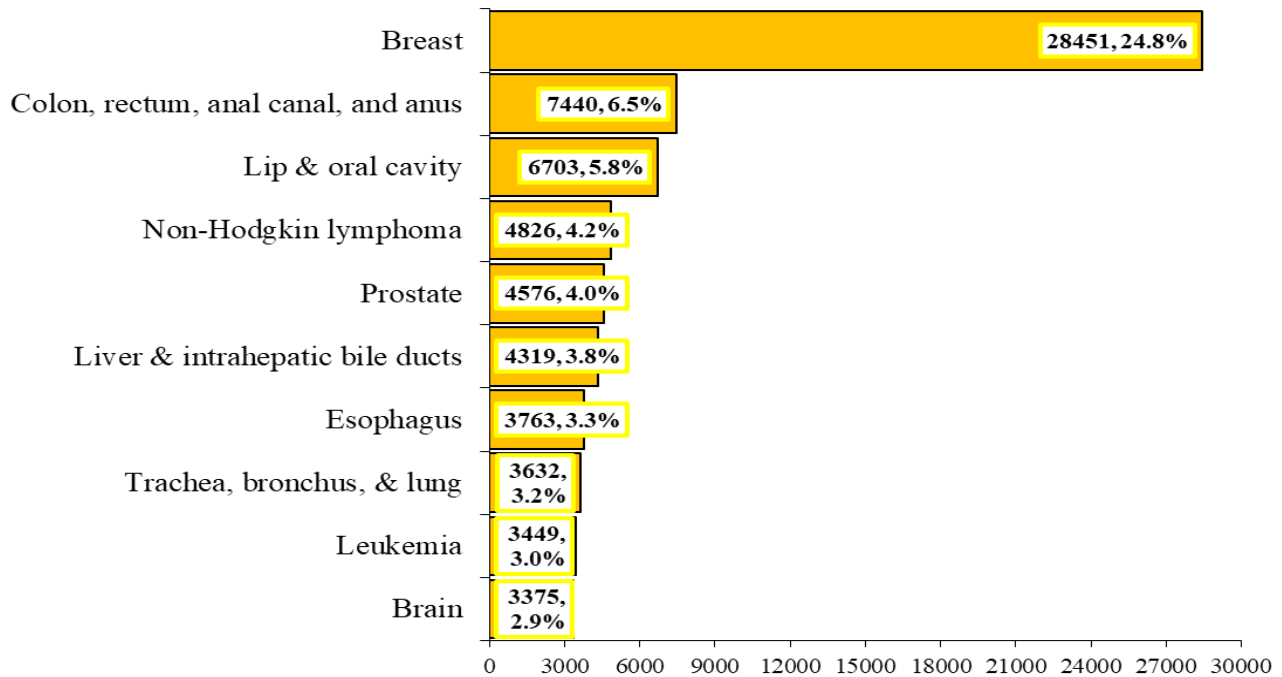
\* The administrative unit of FATA was included in the province of Khyber Pakhtunkhwa on May 28, 2018

**Figure 2. Top 10 malignancies among all age groups, both sexes combined (N=127,772), SKMCH&RC, December 29, 1994, to December 31, 2023**



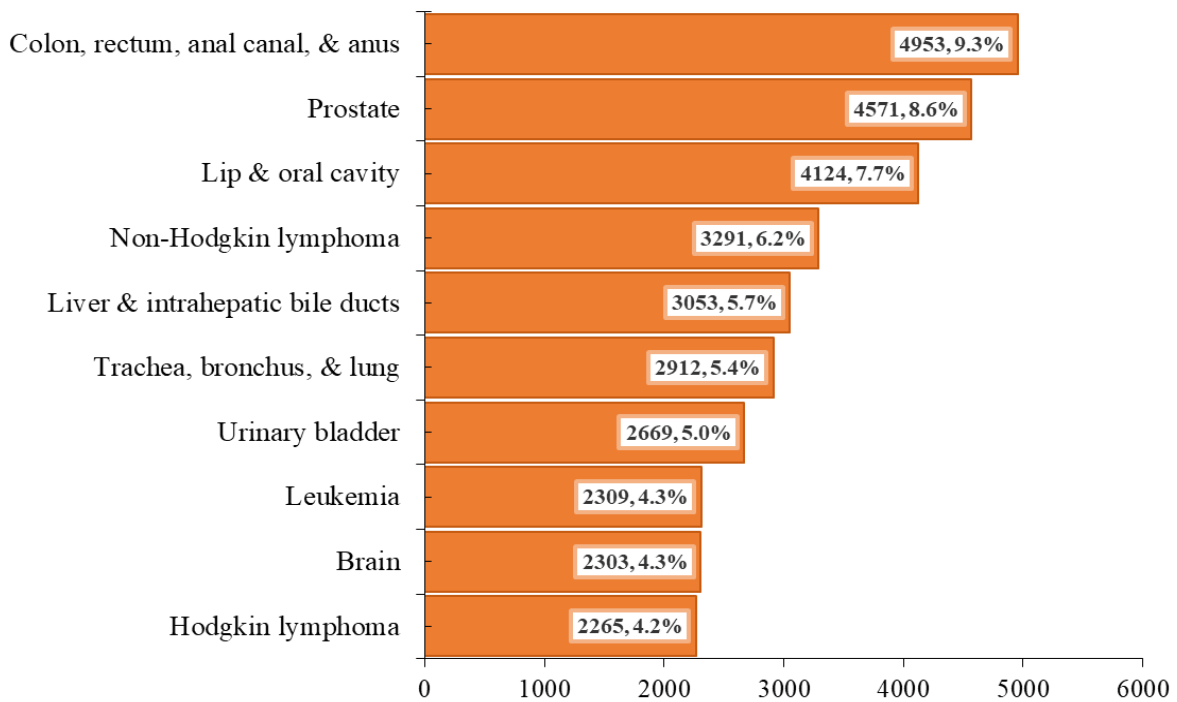
Data Source: Cancer Registry & Clinical Data Mangement, SKMCH&RC

**Figure 3. Top 10 malignancies among adults (> 18 years (N = 114,824)), both sexes combined, SKMCH&RC, December 29, 1994, to December 31, 2023**



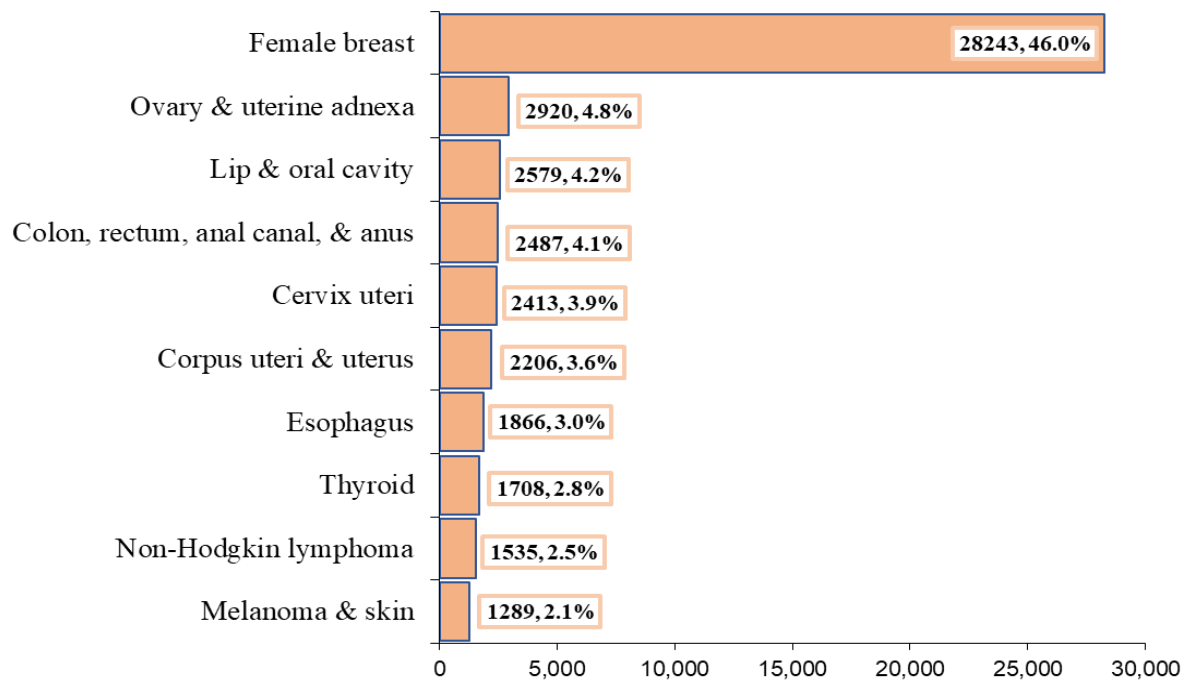
Data Source: Cancer Registry & Clinical Data Mangement, SKMCH&RC

**Figure 4. Top 10 malignancies in adult males (> 18 years (N = 53,473)), SKMCH&RC, December 29, 1994, to December 31, 2023**



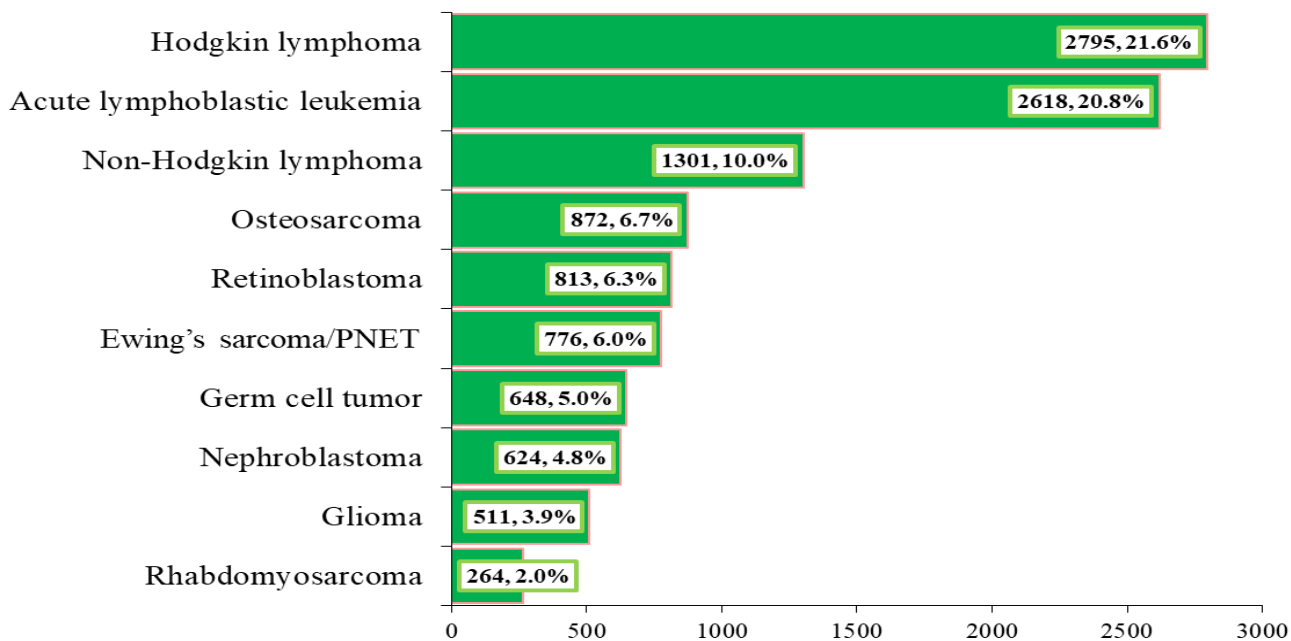
Data Source: Cancer Registry & Clinical Data Mangement, SKMCH&RC

**Figure 5. Top 10 malignancies in adult females (> 18 years (N = 61,351)), SKMCH&RC, December 29, 1994, to December 31, 2023**



Data Source: Cancer Registry & Clinical Data Mangement, SKMCH&RC

Figure 6. Top 10 malignancies in children (<= 18 years (N = 12,948)), both sexes combined, SKMCH&RC, December 29, 1994, to December 31, 2023. Classification of childhood cancers is based on tumor morphology using the ICD-O-3 coding scheme for childhood cancers.



Data Source: Cancer Registry & Clinical Data Management, SKMCH&RC

May 2024

Cancer Registry and Clinical Data Management Section

Shaukat Khanum Memorial Cancer Hospital and Research Centre, Lahore, Pakistan